ZHDANOV, V.M., prof.; FAIZIEVA, L.L., doktor med.nauk

Measles. Virusy i virus. zabol. no.1:168-190 '64.

(MIRA 18:2)

1. Deystvitel'nyy chlen AMN SSSR (for Zhdanov).

KISLYAKOVA, L.N.; TSERAIDIS, G.S.; ZHDANOV, V.M.; BOGDANOVA, M.G.; LIMARENKO, M.I.

Study of the viral etiology of chronic pemphigus. Vop. virus. 9 no.3:320-324 My-Je '64. (MIRA 18:1)

1. Ukrainskiy nauchno-issledovatel'skiy kozhno-venerologicheskiy institut, Khar'kov.

DREYZIN, R.S.; ZUBOVA, Z.F.; YAVOROVSKAYA, V. Ye.; BOCHAROV, Ye.F.; FOKINA, G.I.; BALANDINA, A.M.; ROZINA, E.E.; VOROB'YEVA, N.N.; ZALESSKIY, G.D.; ZHDANOV, V.M.

Serological properties and pathogenicity of the R-virus in suckling mice. Vop. virus 9 no.4:462-468 Jl-Ag '64

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov i Novosibirskiy meditsinskiy institut.

SMIRNOVA, G.A., kand. sel'skokhoz. nauk; ZHDANOV, V.M., prof.

Composition and physicochemical characteristics of the Sendai virus. Veterinariia 41 no.9:12-16 S '64. (MIRA 18:4)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR. 2. Deystvitel'nyy chlen AMN SSR (for Zhdanov).

ZHDANOV, V.M.; SMIRNOVA, G.A.

On the nature of the inactivating effect of animal tissue extracts against myxovirus haemagglutinins. Acta virol. (Praha) [Eng.] 9 no.2:137-143 Mr'65.

1. The Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

YERSHOV, F.I.; ZHDANOV, V.M.

Actinomycin D as a vital dye and fluorochrome. Dokl. AN SSSR 162 no.4:932-933 Je '65. (MIRA 18:5)

1. Institut virusologii im. D.I.Ivanovskogo AMN SSSR. 2. Deystvitel'nyy chlen AMN SSSR (for Zhdanov).

TERSKIKH, I.I.; ZHDANOV, V.M.; BEKLESHOVA, A.Yu.

Tissue vaccine against trachoma. Report No.1: Experimental study.
Vop. virus. 9 no.3:275-279 My-Je '64.

(MIRA 18:1)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

ZHDANOV, V.M.; SMIRNOVA, G.A.; BUKRINSKAYA, A.G.

Inactivation of the Sendai virus by proteinases and cellular extracts.
Vop. virus. 9 no.2:178-184 Mr-Ap '64. (MIRA 17:12)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

ZHANTIYEVA, Ye.M.; STAKHANOVA, V.M.; ZHDANOV, V.M.

Incorporation of P^{32} and C^{14} labeled uracil into cells of chorioallantoic membrane of chicken embryos infected by influenza virus. Vop. virus. 9 no.2:233-237 Mr-Ap '64. (MIRA 17:12)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

ZHDANOV, V.M.; LIPKIND, M.A.; KLIMENKO, S.M.; ZAKSTEL'SKAYA, L.A.

Some parameters of nucleocapsids of the Sendai virus. Vop. virus 9 no.4:412-417 Jl-Ag '64. (MIRA 18:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR.

KLISENKO, G.A.; STAKHANOVA, V.M.; ZHANTIYEVA, Ye.M.; ZHDANOV, V.M.

Electron autoradiography of tissue culture cells infected with the classical fowl plague virus. Vop. virus 9 no.4: 451-455 Jl-Ag '64

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

ALEKSANYAN, A.B., prof.; BEZDENEZHNYKH I.S., doktor med. nauk; BELYAKOV, V.D., doktor med. nauk; BESSMERTNYY, B.S., dokt. med. nauk; VASHKOV, V.I., prof.; GROMASHEVSKIY, L.V., prof.; YELKIN, I.I., prof.; ZHDANOV, V.M., prof.; ZHMAYEVA, Z.M., kand. biol. nauk; KOVARSKIY, M.S., kand. med. nauk; NABOKOV, V.A., prof.; NOVOGORODSKAYA, E.M., prof.; PAVLOVSKIY, Ye.N., akademik; PETRISHCHEVA, P.A., prof.; PERVOMAYSKIY, G.S., prof.; POGODINA, L.N.; ROGOZIN, I.I., prof.; SUKHOVA, M.N., doktor biol. nauk; CHASOVNIKOV, A.A., kand. med. nauk; SHATROV, I.I., prof.; SHURABURA, B.L., prof.; YASHKUL', V.K., kand. med. nauk; ZHUKOV-VEREZHNIKOV, N.N., prof., otv. red.; BOLDYREV, T.I., prof., red.; ZASUKHIN, D.N., doktor biol. nauk, red.; KALINA, G.P., red.

[Multivolume manual on the microbiology, clinical aspects and epidemiology of communicable diseases] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Meditsina. Vol.5. 1965. 548 p. (MIRA 18:3)

1. Deystvitel'nyy chlen AMN SSSR (for Aleksanyan, Gromashevskiy, Zhdanov, Zhukov-Verezhnikov). 2. Chlen-korrespondent AMN SSSR (for Rogozin, Boldyrev).

ZHDANOV, Viktor Mikhaylovich; ROMANOVSKIY, I.V. [Romanova'kyi, I.V.], [translator]

[Attack on infection; problem of the elimination of infectious diseases in the U.S.S.R.] Nastup na infektsii; problema likvidatsii infektsiinykh zakhvoriuvan' v SRSR. Kyiv, 1960. 36 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukraina'koi RSR. Ser.5, no.18). (MIRA 14:3)

1. Deystvitel'nyy chlen AMN SSSR; zamestitel' ministra zdravookhraneniya SSSR (for Zhdanov).
(COMMUNICABLE DISEASES--PREVENTION)

ZHDANOV, V.M.; DREYZIN, R.S.; MEKLER, L.B.; YANKEVICH, O.D.; NAUMOVA, V.I.

Study of the properties of adenoviruses and their agglutinins by fractionation using chromatography on DEAE cellulose.
Vop. virus no.6:688-692 N-D '63. (MIRA 17:6)

1. Institut virusologii imeni D.I. Ivanovskogo, AMN SSSR, Moskva.

ZHDANOV, V.M., prof.

Botkin's disease. Zdorov'e 9 no.10:18 O'63 (MIRA 16:12)

1. Deystvitel'nyy chlen AMN SSSR.

ZHDANOV, V.M.; ZBARSKIY, I.B.; BUKRINSKAYA, A.G.; RAMENSKAYA, G.P.

Study of the initial stage of interaction of Sendai virus with cells using the autoradiographic method. Bul. eksp. biol. i med. 56 no.7:67-72 Jl '63 (MIRA 17:3)

1. Iz laboratorii fiziologii virusov (zav. - deystvitel'nyy chlen AMN SSSR V.M. Zhdanov) Instituta virusologii imeni D.I. Ivanovskogo (dir. - deystvitel'nyy chlen AMN SSSR V.M. Zhdanov) AMN SSSR i laboratorii biokhimii kletochnykh struktur (zav. - doktor biologicheskikh nauk I.B. Zbarskiy) Instituta morfologii zhivotnykh imeni Severtsova (dir. - chlen-korrespondent AN SSSR prof. G.K. Khrushchev) AN SSSR, Moskva.

ZHDANOV, V. M.

"The synthesis of viral components in cells."

report presented at 4th Intl Cong, Hungarian Soc of Microbiologists, Budapest, 30 Sep-3 Oct 64.

Inst of Virology, im D.I. Ivanovskiy, AMS USSR, Moscow.

ACCESSION NR: AP4041190 S/0207/64/000/003/0032/0042

AUTHORS: Aliyevskiy, M. Ya. (Sverdlovsk, Moscow); Zhdanov, V. M. (Sverdlovsk, Moscow); Polyanskiy, V. A. (Sverdlovsk, Moscow)

TITLE: Tensor of viscous stresses and thermal flow in a two temperature partially ionized gas

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1964, 32-42

TOPIC TAGS: stress tensor, thermal flow, ionized gas, kinetic equation, magnetic field, particle collision, electron temperature, ion temperature, nonisothermal plasma, diffusion heat

ABSTRACT: The authors extend the work of a previous paper by M. Ya. Aliyevskiy and V. M. Zhdanov (Uravneniya perenosa dlya neizotermicheskoy mnogosortnoy plazmy*. PMTF, 1963, No. 5) in which they found a closed system of equations of transfer for multicomponent ionized gas in a magnetic field by using the kinetic equation and the approximation of thirteen moments in conjunction with the distribution function. The relations for the tensor of viscous stresses and the vector of thermal flow in the same gas are studied. Linear algebraic equations are used for the separate components coming from the general system of equations

Card 1/2

ACCESSION NR: AP4041190

of transfer under the assumption that the macroscopic parameters of the gas vary slowly at distances of the order of effective length of free run and for a time of the order of time between particle collisions. The coefficients are simplified for the special case of a three-component partially ionized gas where the electron temperature differs from that of ions and atoms. The authors estimate the contribution of each of the components to the complete tensor of viscous stresses and thermal flow, depending on the degree of ionization, the magnitude of the magnetic field, and the degree of nonisothermalness of the plasma. They give detailed expressions for the coefficients of viscosity and heat conductivity of a two-temperature gas in a magnetic field. Orig. art. has: 61 formulas.

ASSOCIATION: none

SUBMITTED: 10Mar64 ENCL: 00

SUB CODE: ME NO REF SOV: 004 OTHER: 008

Card 2/2

ZOLOTAREV, Georgiy Andreyevich; ZHDANOV, V.V., redaktor; NOVOSPASSKIY, V.V.; redaktor; KIRSANOVA,N.A. tekhnicheskiy redaktor.

[Safety engineering in the workshops of machine-tractor stations] Tekhnika bezopasnosti v remontnykh masterskikh MTS. Moskva, Izd-vo VTsSPS Profizdat, 1955. 73 p. (MLRA 9:5)
(Machine-tractor stations--Safety measures)

YATSENKO, V.A.; MOKSIN, S.I., inzhener, retsenzent; BOLOTNOV, P.M., retsenzent; ZHDANOV, V.K., inzhener, redaktor; POPOLOV, Ya.N., redaktor izdatel'stva; SHMEL'KINA, S.I., tekhnicheskiy redaktor

[Safety engineering in work with agricultural machinery] Tekhnika bezopasnosti pri rabote na sel'skokhoziaistvennykh mashinakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 77 p. (MLRA 10:1)

(Agricultural machinery--Safety measures)

ZHDANOV, V.V.; STANKEVICH, Ye.K.

Alkali gabbroid rocks in the eastern slope of the Kuznetsk Ala-Tau. Trudy VSEGEI 73:133-154 '62. (MIRA 15:9)
(Kuznetsk Ala-Tau--Gabbro)

ZHDANOV, V.V.

Two types of the earth's crust without a granite layer in the northern part of the Baltic Shield. Sov. geol. 8 no.5:101-111 My '65.
(MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.

ZHDANOV, V.V.

Two generations of kyanites in gneisses of the White Sea complex. Zap. Vses. min. ob-va 88 no.5:599-602 '59. (MIRA 13:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut, Leningrad.

(White Sea region--Kyanite)

ZHDANOV, V.V.

Reomorphic breccia in the contact of the Pechenga series with Archean granites. Trudy VSEGEI 98:166-173 '63.
(MIRA 17:5)

ZHDANOV, V.V.

Organization of the construction of the Tayshet-Lena railroad cannot serve as an example for the construction projects of Eastern Siberia. Transp.stroi. 10 no.5:47-48 My '60. (MIRA 13:7)

1. Glavnyy inzhener proyekta Tomgiprotransa.
(Siberia, Eastern--Railroads--Construction)

PANCHENKO, Ye.V.; PANSHINA, M.M.; KEKALO, I.B.; BLINKOVA, T.M.; KRYLOVA, L.I.; ZHDANOV, V.V.; ZHETVIN, N.P.; LIVSHITS, B.G.

Residual stresses in billets made of A40G steel. Stan. i instr. 36 no.8:27-29 Ag '65. (MIRA 18:9)

L 1585-66 EWT(1)/EWA(h) GW

AM5015051 BOOK EXPLOITATION UR/ 106 58 B+

Dortman, Nina Borisovna; Vasil'yeva, Valentina Ivanovna; Veynberg, A. K.; Dubinchik, E. Ya.; Zhdanov, V. V.; Zotova, I. F.; Ilayev, M. G.; Trunina, V. Ya.; Khoreva, B. Ya.; Sholpo, L. Ye.

Physical properties of rocks and mineral resources of the USSR (Fizicheskiye svoystva gornykh porod i poleznykh iskopayemykh SSSR) Moscow, Izd-vo "Nedra", 1964. 325 p. illus., biblio. (At head of title: Gosudarstvennyy geologicheskiy komitet SSSR. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut) 3000 copies printed. Under the editorship of O. M. Gapeyeva and N. B. Dortman; Principal editor: I. A. Kalmykova; Technical editor: A. S. Polosina; Proofreader: K. S. Toroptseva

TOPIC TAGS: magmatic rock, metamorphic rock, mineralogy, petrology, seismology

PURPOSE AND COVERAGE: This book is the result of the generalization of materials collected primarily by geophysical trusts and geologic agencies, as well as by the institutes named (VSEGEI). Principal attention is paid to the basic laws governing variations in the physical properties of rocks, various petrographic groups, and useful minerals of divers mineralogic composition. The physical parameters to

Card 1/3

which special attention is given include the density, the magnetic susceptibility, the specific electrical resistance, and the rate of propagation of longitudinal and transverse waves. The compilers of the book are colleagues of the Laboratoriya fizicheskikh svoystv gornykh pored and the Otdel petrografii of VSEGEI. They express their gratitude to B. A. Andreyev, A. A. Logachev, G. I. Martynova, S. V. Moskvaleva, A. S. Semenov, T. N. Simonenko, K. G. Bogdanova, Ye. A. Butakova, V. F. Dybkov, B. K. L'vov, V. I. Moskvaleva, I. A. Petrova, Yu. Ye. Rytsk, Ye. K. Stankevich, A. T. Solov'yev, and A. D. Shcheglov.

TABLE OF CONTENTS:

L 1585-66

AM5015051

and temperature -- 204
Part II. Physical properties of metallic and nonmetallic mineral resources
Ch. VII. Physical properties of ores -- 248
Ch. VIII. Physical properties of nonmetallic mineral resources -- 299
Literature -- 313
Appendix -- 320

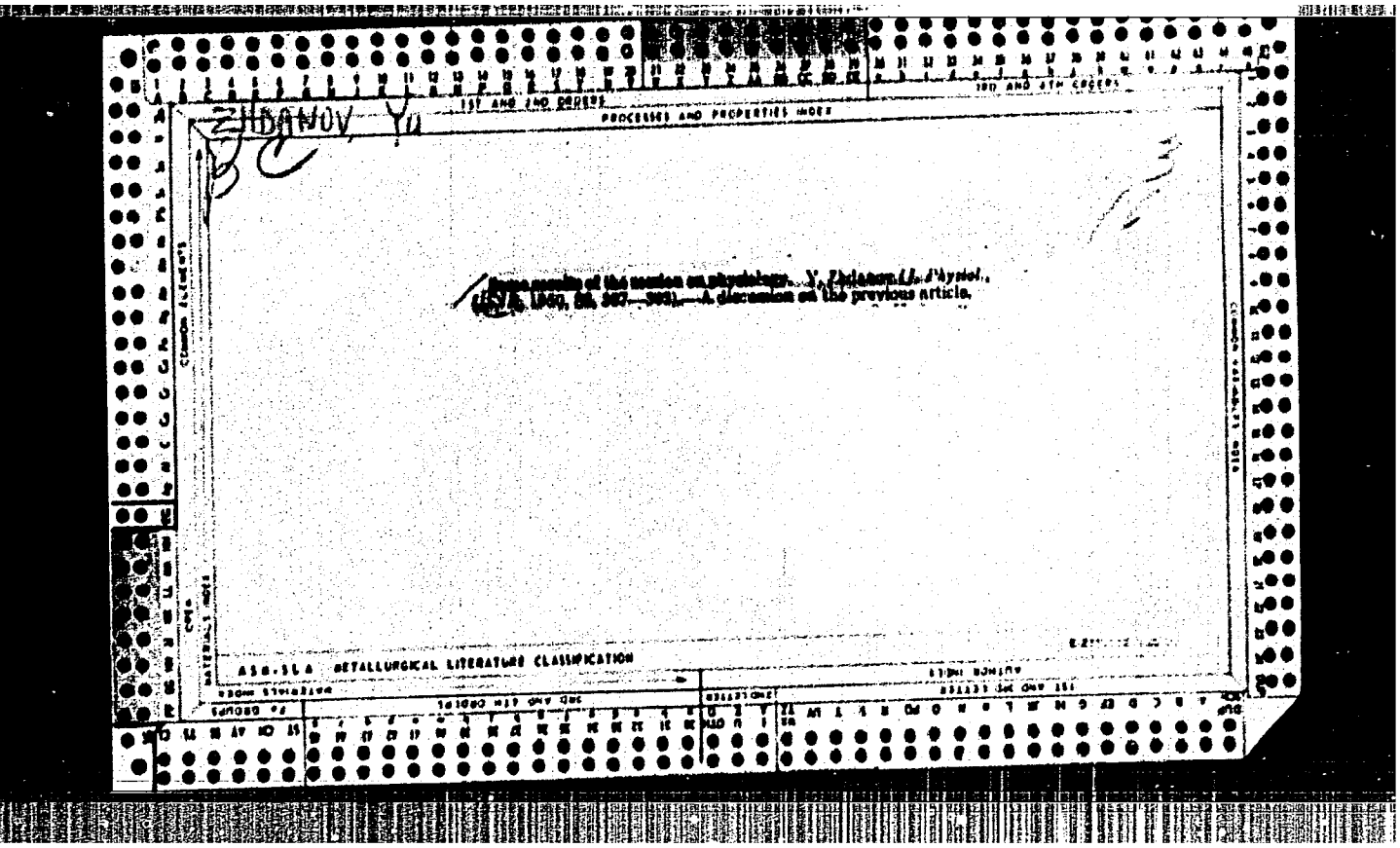
SUB CODE: ES SUBMITTED: 22Sep64 NR REF SOV: 180

OTHER: 044

Card 3/3 dg

ZHDANOV, Ye.A., inzh. (Luganak); SKLYAROV, V.M., inzh. (Luganak); BROVTSEV, V.A., inzh. (Luganak); DEM'YANENKO, I.D., inzh. (Luganak).

Locomotive cab made from glass plastics. Zhel. dor. transp. 47 no. 11:83-84 N '65 (MIRA 19.1)



DEGTYAREV, V., kand. tekhn. nauk; ZHDANOV, Yu., inzh.

Bank reinforcements of the Siberian rivers and the causes of their destruction. Rech. transp. 24 no.6:35-37 '65.
(MIRA 18:8)

1. Novosibirskiy institut inzhenerov vodnogo transporta (for Degtyarev). 2. Novosibirskiy filial TsNIIS (for Zhdanov).

ZHDANOV, YU.

Influence of man upon the developments in nature. Moskva. 1952

Science - Philosophy

Against subjective misinterpretation in natural science. Nauka i zhizn' 20, No. 2, '53.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

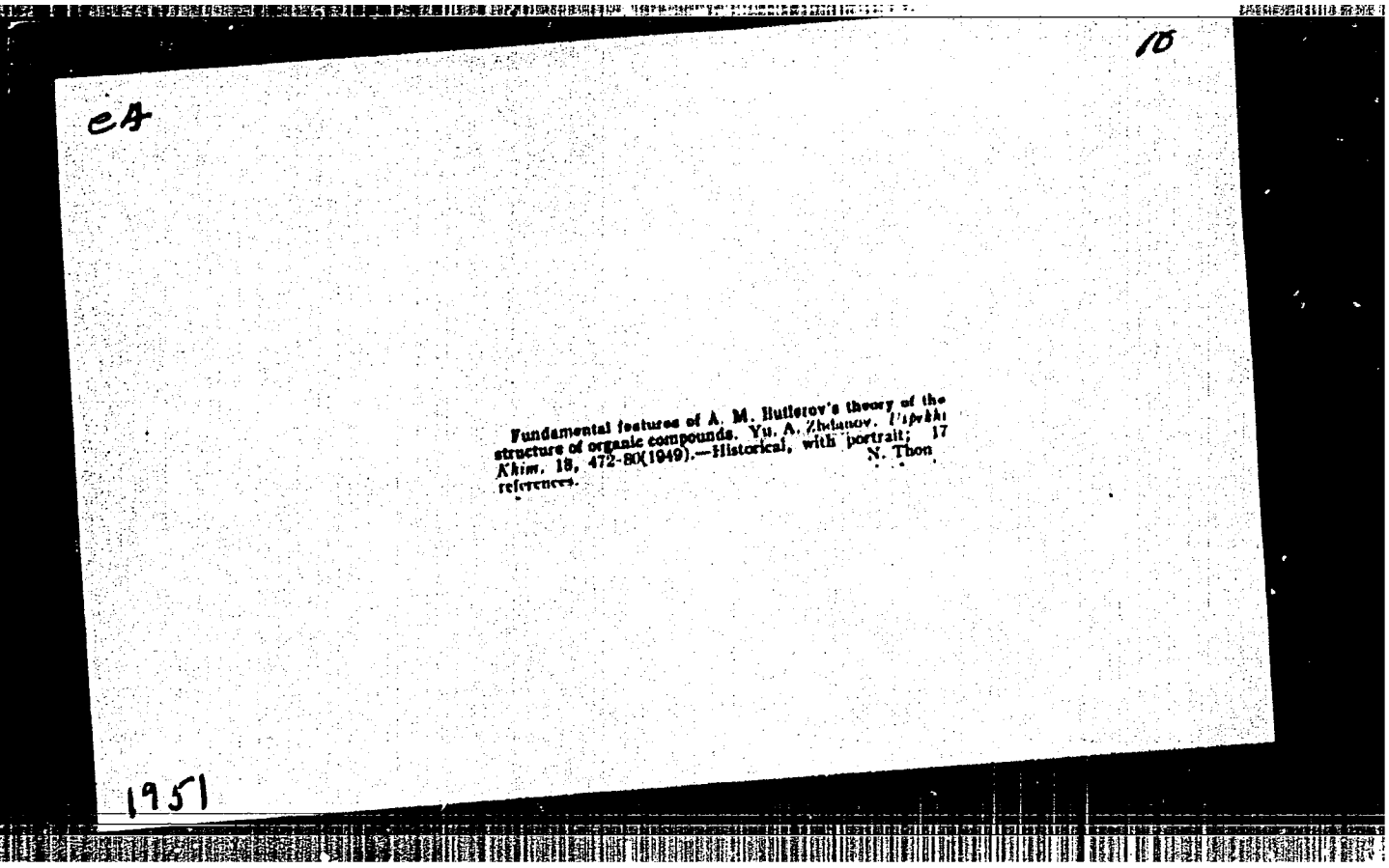
ZHDANOV, Yu.

Isomerism and chemical structure of substances. Uch.zap.RGU no.60:173-189 '59. (MIRA 14:10)
(Chemical structure)

ZHDANOV, Yu.A., prof.

Bioorganic chemistry. Priroda 51 no.10:47-51 O '62. (MIRA 15:10)

1. Rostovskiy gosudarstvennyy universitet.
(Biochemistry)



10

CA

Fundamental features of A. M. Butlerov's theory of the structure of organic compounds. Yu. A. Zhdanov. *Uspekhi Khim.* 18, 472-80(1949).—Historical, with portrait; 17 references. N. Thon

1951

ZHDANOV, YU. A.

Science

Homology in organic chemistry. Moskva, Izd-vo Moskovskogo universiteta, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952, UNCLASSIFIED.

ZIDANOV, YU.A.

Chemistry, Organic

Objective of organic chemistry. Priroda 41, no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, DECEMBER 1952. ~~1953.~~ Unclassified.

ZHDANOV, YU. A.; SHCHERBAKOVA, L. I.; YEGOROVA, T. N.

Glucose Derivatives

Investigations of C - C - derivatives of glucose. Dokl. AN SSSR 83 No. 3, 1952. Moskovskiy Gosudarstvennyy Universitet im. M. V. Lomonosova. Rcd. 12 Feb. 1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

ZHDANOV, YU.A.

(3)

C—C-derivatives of carbohydrates. Yu. A. Zhdanov and L. I. Shcherbakova (M. V. Lomonosov State Univ., Moscow). *Doklady Akad. Nauk S.S.S.R.* 90, 185–8(1953); cf. *C.A.* 47, 2710h.—α-Chlorotetraacetylglucose (5 g.) with *p*-ClC_6H_4MgBr from 31.6 g. RBr gave after the usual treatment 40% *1-(p-chlorophenyl)tetraacetylglucose*, m. 145.5–6.0°. Treatment of 0.5 g. 1-anisyltetraacetylglucose 40 min. with 0.84 g. Cl in CCl_4 gave *1-(3-chloro-p-anisyl)tetraacetylglucose*, m. 150.5–1.0° (from iso-PrOH); apparently Cl is in *o*-position to the MeO group. Similarly was obtained 68% *1-p-phenetyltetraacetylglucose*, m. 101–2° (from petr. ether), which with Br in AcOH gave 90% *di-Br deriv.*, m. 159–60°, with the Br atoms located in *o,o'*-positions to the EtO group. β-Tetraacetylxylose (16 g.) in 20 ml. AcCl heated 10 min. with 15 g. PCl_5 and 5 g. $AlCl_3$ on a water bath gave, after quenching in much cold H_2O, 28% *α-chlorotriacetylxylose*, m. 106° (from petr. ether). This with *p*-$MeOC_6H_4MgBr$ gave 50% *1-(p-anisyl)triacetylxylose*, m. 129.5–30.5° (from iso-PrOH). Similarly obtained were: 75% *1-(p-chlorophenyl)triacetylxylose*, m. 149.5–50.0° (from iso-PrOH) [*mono-Cl deriv.*, m. 151–3° (from iso-PrOH); *Br deriv.*, m. 159–60° (from iso-PrOH)]; 38% *1-p-phenetyltriacetylxylose*, m. 130.5–1.0° (from petr. ether). The latter (4 g.) in 28.8 ml. Ac_2O and 19.2 ml. AcOH added to 24 g. $Cu(NO_3)_2.3H_2O$ in 33.6 ml. Ac_2O and 14.4 ml. AcOH, gave 33% *nitro deriv.*, m. 165.5–7.0° (from iso-PrOH). The *p-anisyl deriv.* (above) in 40 min. at 65° similarly gave 36% *nitro deriv.*, m. 155.5–6.5° (from iso-PrOH). G. M. K...

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Organic Chemistry

ZHDANOV, Yu.

Biochemical concentrates. Tekh.mol.23 no.12:14-17 D '55.
(Biochemistry) (Radioisotopes) (MLRA 9:2)

USSR/Chemistry - Extraction of elements

Card 1/1 Pub. 86 - 13/36

Authors : Zhdanov, Yu. A.

Title : On utilization of biochemical concentrations of elements

Periodical : Priroda 44/6, 89 - 93, Jun 1955

Abstract : A study is made of the dispersion of certain elements, mainly minerals, [illegible] and corrosion [illegible]

1953).

Institution : .....

Submitted : ..... Translation W-31741, 6 Apr 56

Zhdanov, Yu. A.

Name: ZHDANOV, Yu. A.

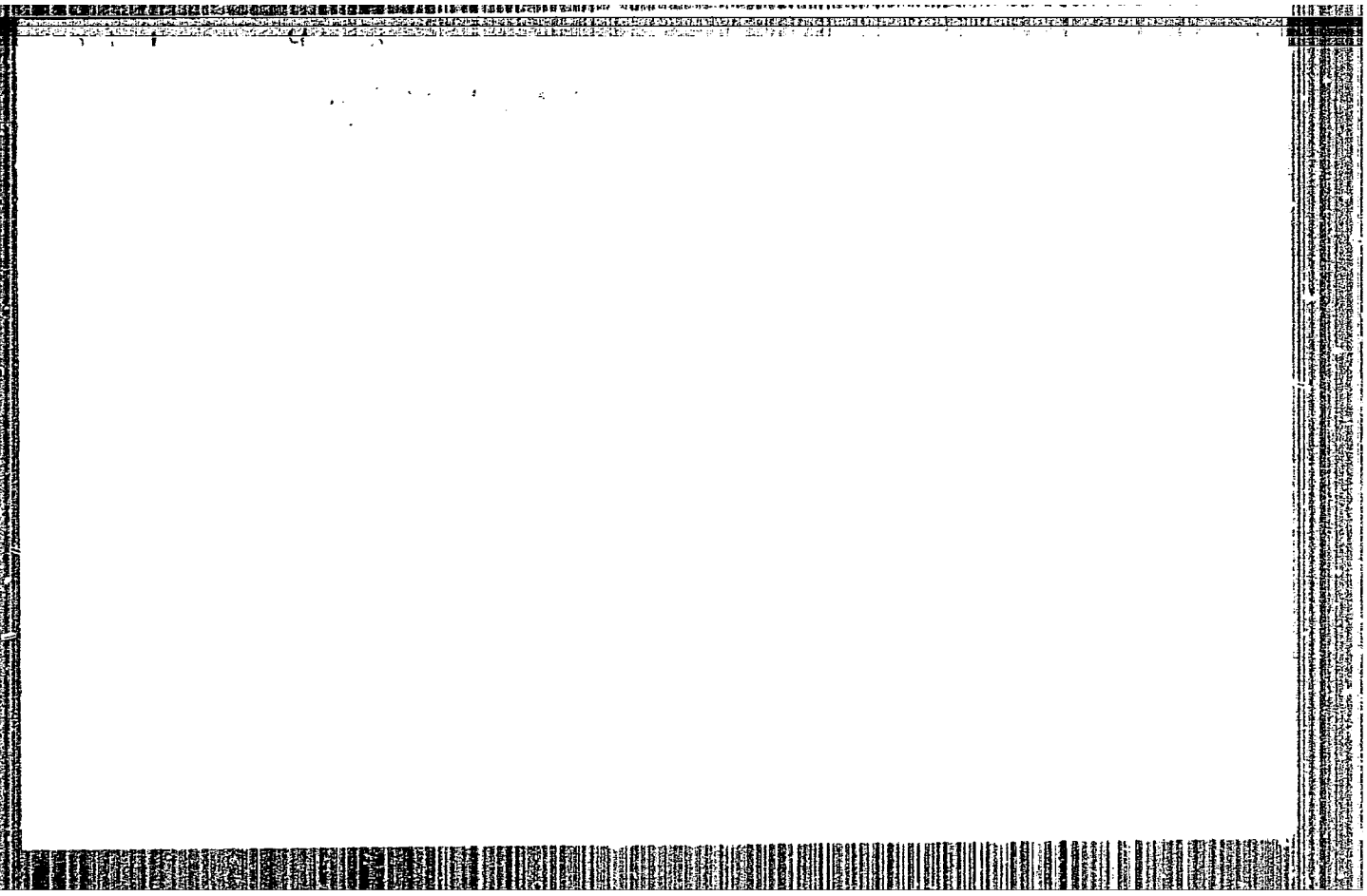
Dissertation: On the chemistry of carbon-carbon derivatives of carbohydrates

Degree: Cand Chem Sci

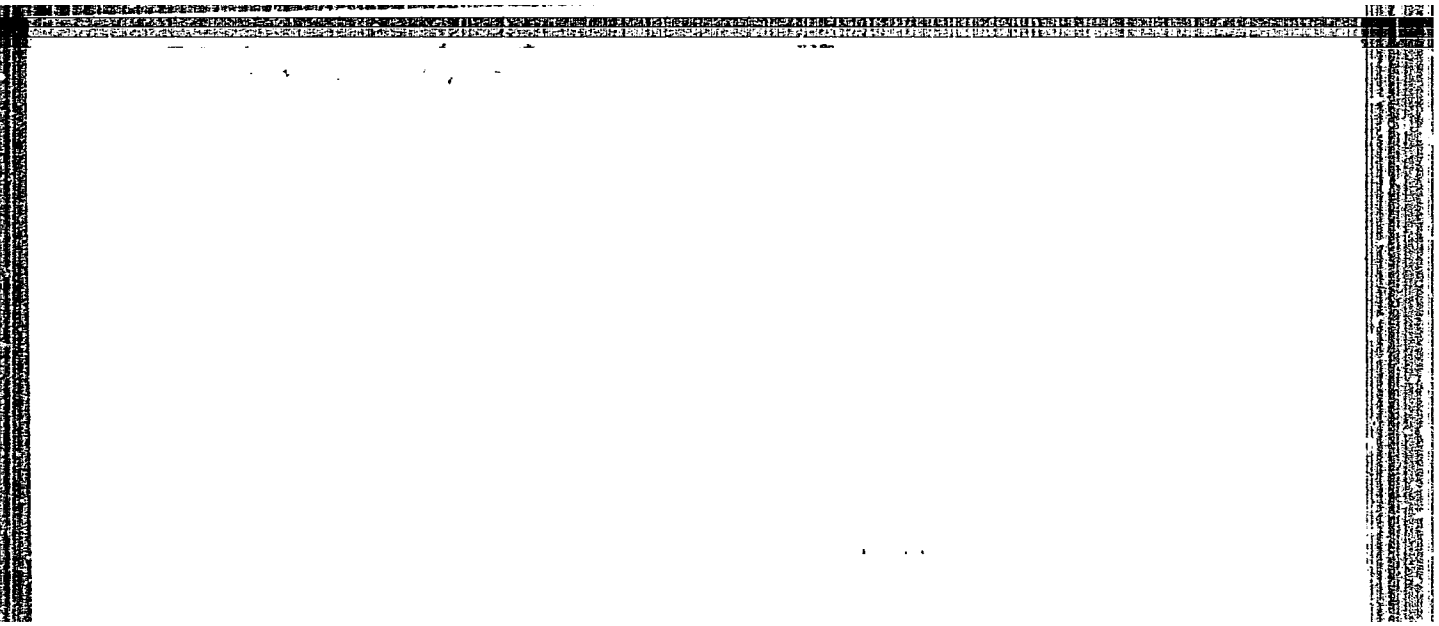
~~Affiliation~~ Defended at: Rostov-on-Don State U imeni V. M. Molotov, Chair of Organic Chemistry

~~Defense Date~~ Publication, Place: 1956, Rostov-on-Don

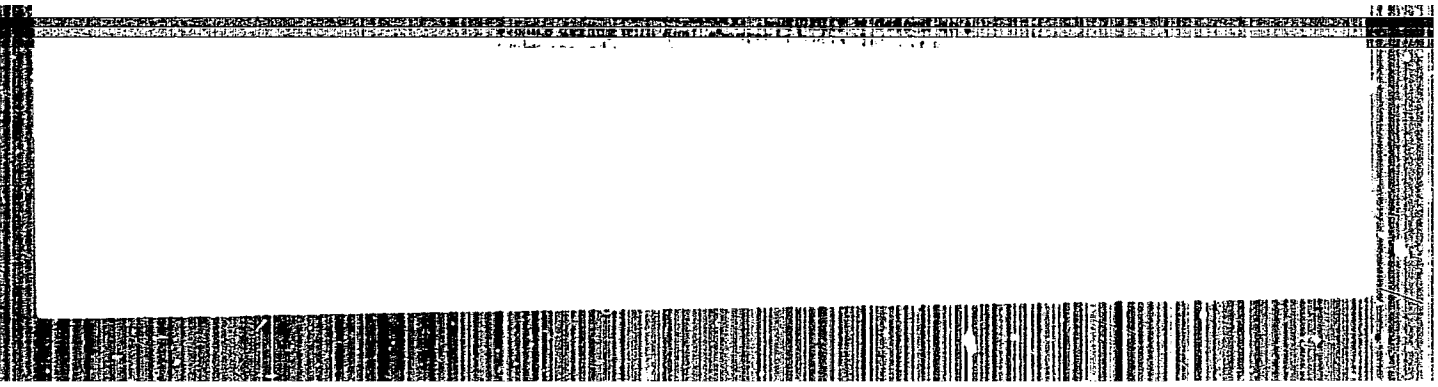
Source: Knizhnaya Letopis', No 4, 1957



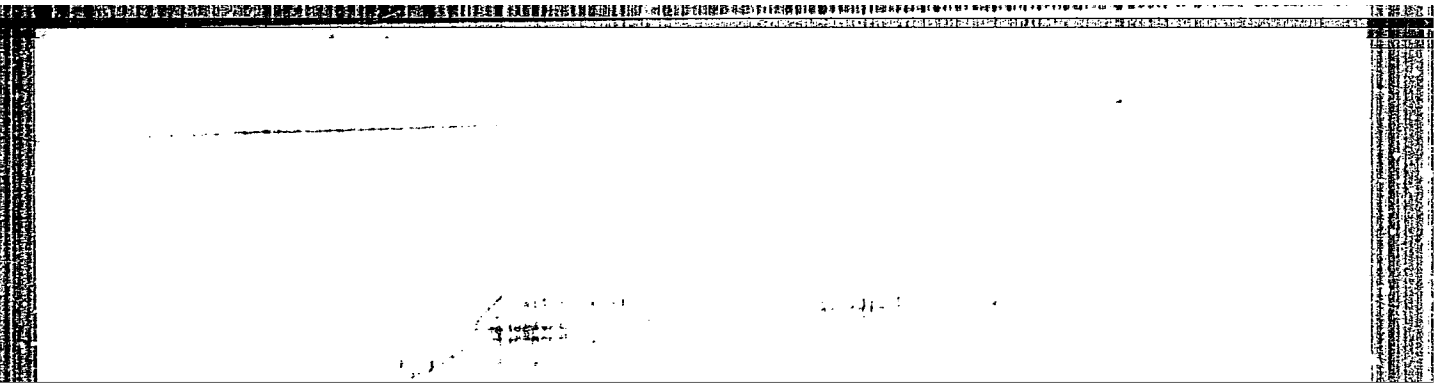
APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064620016-4"



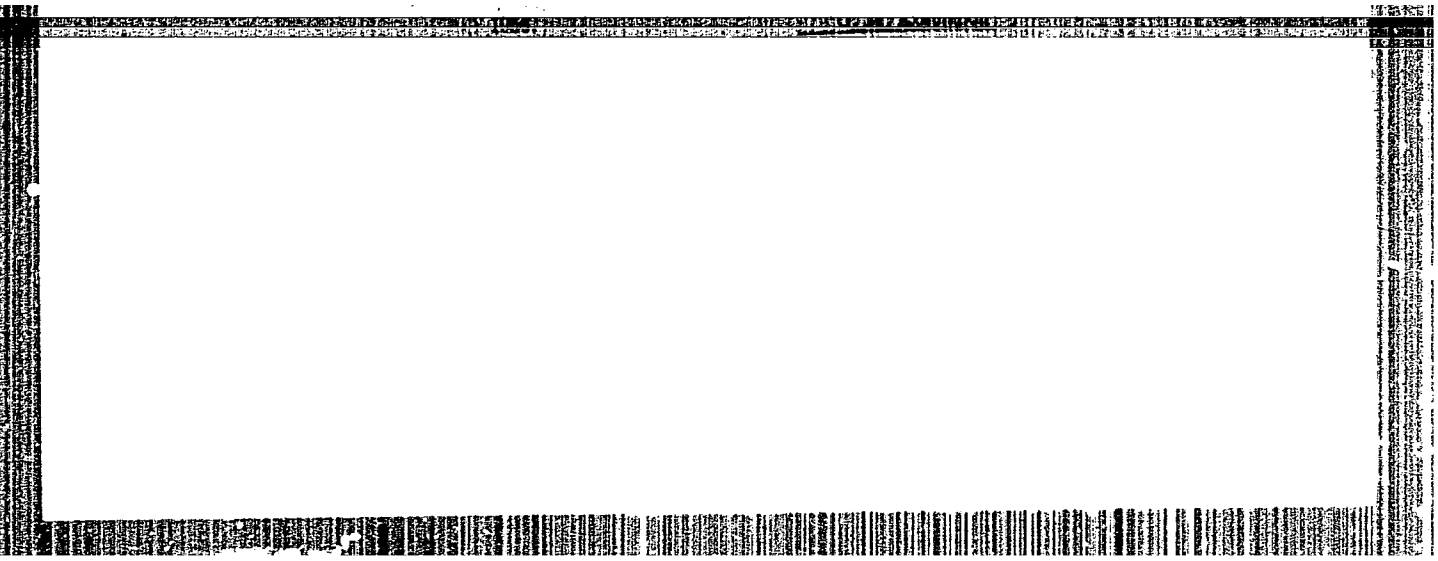
APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064620016-4"



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064620016-4"



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064620016-4"

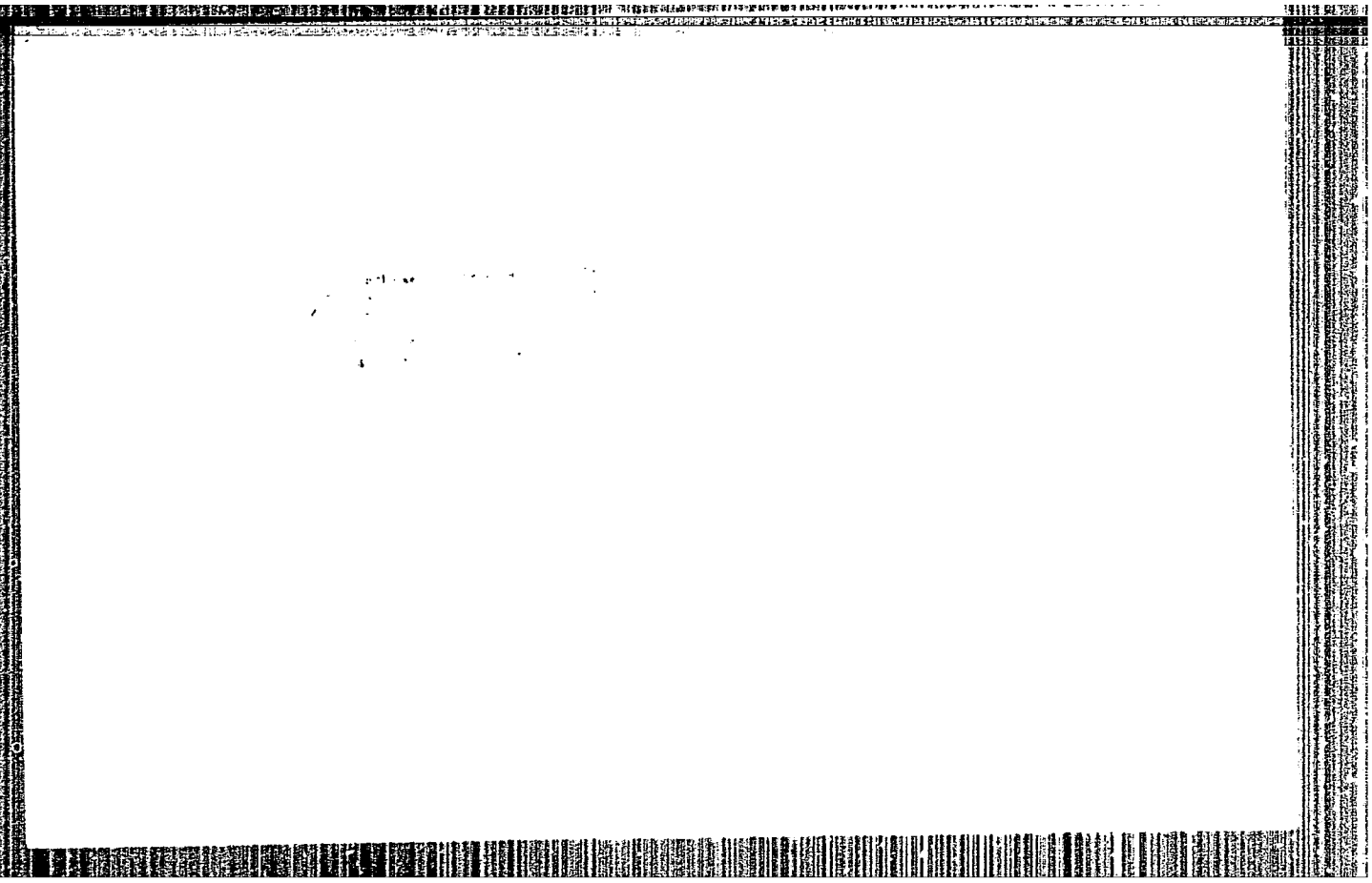


APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064620016-4"

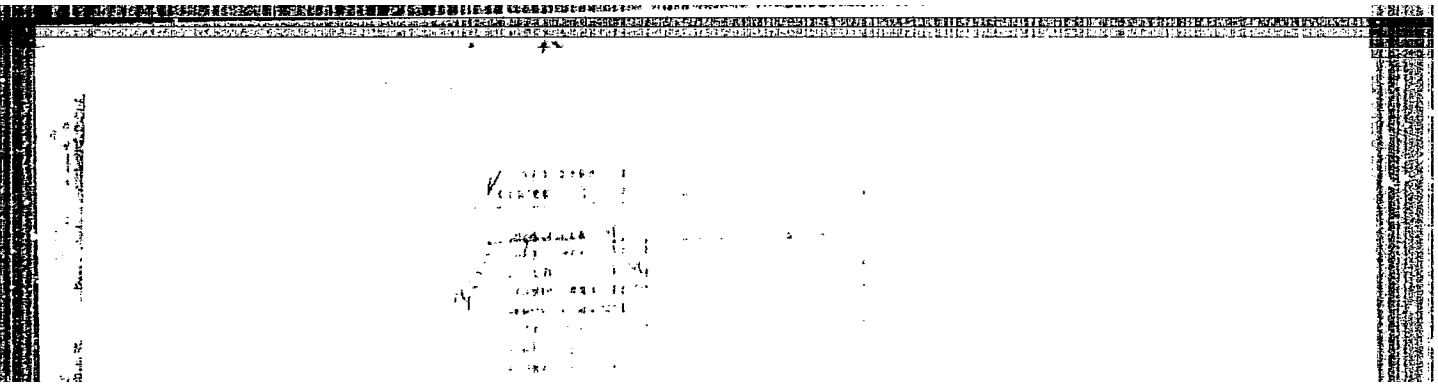
ZHDANOV, Yu.A. (Rostov-na-Donu)

New types of fertilizers. Priroda 45 no.9:86-87 S '56.
(MIRA 9:10)

(Trace elements) (Fertilizers and manures)



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064620016-4"



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064620016-4"

ZHDANOV, Yu.A.; AZAROV, K.P.; GORBATENKO, V.Ye.

Glasses and frits used to fertilize soil with trace elements. Dokl. AN SSSR 108 no.6:1129-1131 Je '56. (MLRA 9:10)

1. Novocherkasskiy politekhnicheskiy institut imeni Sergo Ordzhonikidze. Predstavleno akademikom A.V. Topchiyevym.
(Fertilizers and manures)

USSR/Chemical Technology. Chemical Products and Their Application -- Fertilizers, I-6

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5064

Author: Zhdanov, Yu. A., Azarov, K. P., Gorbatenko, V. Ye.

Institution: Academy of Sciences USSR

Title: Glasses and Frits for Supplying Minor Elements to the Soil

Original Publication: Dokl. AN SSSR, 1956, 108, No 6, 1129-1131

Abstract: To improve the distribution of minor elements (ME) B, Mn, Cu, Zn, Fe, Mo, Co, within the soil, to decrease their combining with other soil components and to reduce their leaching, it is advantageous to add to the soil ME that have been fused or fritted with glass. Solubility of the glass or frit is regulated by composition of the glass or by changes in the procedure of its production. Growing experiments are described which serve to determine the efficacy of minor element fertilizers prepared from readily fusible 3- or 2-component glasses, window glass scrap or phosphate glass, containing also P, K, etc, by

Card 1/2

USSR/Chemical Technology. Chemical Products and Their Application -- Fertilizers, I-6

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5064

Abstract: melting with ME at 1,100-1,200° until a uniform melt results and gas evolution ceases, or by fritting with the appropriate oxides at 900° to get a spongy, sintered material, or by mixing different glass powders. Experiments have shown that ME of frits are fully assimulated by plants.

Card 2/2

ZHDANOV, Yuriy Andreyevich, kandidat filosofskikh nauk; SAPOZHNIKOV, M.B., redaktor; PAVLICHENKO, M.I., tekhnicheskiy redaktor;

[Lenin and the development of the natural sciences] Lenin i razvitie estestvoznaniia. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1957. 58 p. (MLRA 10:7)
(Lenin, Vladimir Il'ich, 1870-1924) (Science)

ZHDANOV, Yu. A.)

26-10-12/44

AUTHORS: Azarov, K.P.,
Zhdanov, Yu. A.,
Skalozubov, M.F.

TITLE: Perennial Mineral Fertilizers (Mnogoletniye mineral'nyye udobreniya)

PERIODICAL: Priroda, October 1957, No 10, pp 84-86 (USSR)

ABSTRACT: To improve the nutrition of plants, fertilizers are used which contain nitrogen, phosphorus, potassium and so-called trace elements as boron, copper, cobalt, zinc, manganese and others. Too large or too small quantities of such trace elements are harmful to the plants. As soluble salts used as fertilizers either wash out in the soil too fast or form compounds with other components of the soil, which the plants cannot assimilate, a new method has been developed by making fertilizers perennial. It consists of introducing into the soil chemical trace elements fused with easily melting glass which is then pulverized and used for fertilizing. Such frits spread out well in the soil, supplying plants steadily and for a long time with trace elements. Experiments conducted with corn, potatoes, sugar beets and cabbage over the period of a year gave very satisfactory increases of crops.

Card 1/2

Perennial Mineral Fertilizers

26-10-12/44

The article contains one photo and one table.

ASSOCIATION: Novocherkassk Polytechnical Institute (Novocherkasskiy politekhnicheskiy institut) Novocherkassk

AVAILABLE: Library of Congress

Card 2/2

ZHDANOV, Yu.A. (Rostov-na-Donu).

Studying natural resources of the Lower Don. Priroda 46 no.1:112-113 Ja '57. (MLRA 10:2)

(Don Valley--Natural resources)

ZHDANOV, Yu.A.; DOROFEYENKO, G.N.

Syntheses in the region of C - C-substituted carbohydrates.
Dokl. AN SSSR 112 no.3:433-435 Ja '57. (MLRA 10:4)

1. Rostovskiy na Donu gosudarstvennyy universitet im.
V.M. Molotova. Predstavleno akademikom A.I. Oparinym.
(Carbohydrates) (Substitution)

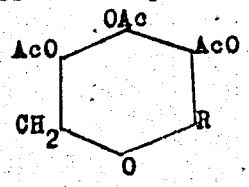
PA - 3155

AUTHOR ZHDANOV Yu.A., DOROFEYENKO G.N.

TITLE Production of C——C Derivatives of l-Arabinose.
(Sintezy C——C proizvodnykh l-arabinozy -Russian)

PERIODICAL Doklady Akademii Nauk SSSR,1957,Vol 113, Nr 3,pp 601-603 (U.S.S.R.)
Received 6/1957 Reviewed 7/1957

ABSTRACT In previous works D,1952,83,403 the winning of some monoses (glucose, galactose, xylose) was described according to the method of organomagnesia synthesis. This method has as yet not been employed for the synthesis of C——C-derivatives of l-arabinose. Here the C——C-substitution products of this hydrocarbon was produced synthetically as a result of the interaction of ß-chlortriacetyl-l-arabinose and of the corresponding reagent. They contained the following radicals: phenyl, anisyl, naphtyl, phenathyl, o-tolyl, n-tolyl, thienyl, butyl. The general formula of the compounds obtained is the following:



In the course of the chlorination, bromization, iodation of anisyl- and phenethylarabinose the corresponding halide dervatives are separated.

Card 1/2

Production of C———C-Derivatives of L-Arabinose. PA - 3155

Experiments are described.
(With 3 Slavic references)

ASSOCIATION State Unoversity"V.M.MOLOTOV'S of Rostov
PRESENTED BY OPARIN A.I., Member of the Academy
SUBMITTED 19.11.1956
AVAILABLE Library of Congress
Card 2/2

ZHDANOV, YU. A

20-6-19/47

AUTHORS: Zhdanov, Yu. A., Dorofeyenko, G. N. and Zhivoglazova, L. Ye.

TITLE: The Synthesis of Some Carbon-Carbon Derivatives of Carbohydrates (Sintez nekotorykh uglerod-uglerodnykh proizvodnykh uglevodov)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 6, pp. 990-992 (USSR)

ABSTRACT: As described earlier (references 1 - 4) the organomagnesium method brought about good results in the synthesis of the above-mentioned derivatives of d-glucose, d-galactose, d-xylose and l-arabinose which contain various "aglucones". In the present work this method was employed for the production of some new compounds: phenyl-tetraacetyl-galactose, O-tolyl-triacetyl-xylose, allyl-tetraacetyl-galactose and allyl-triacetyl-arabinose. It was found that the acetylated allyl sugars are capable of adding a chloro-, bromo- and dirhodane-molecule at the double bond of the allyl residue. Haloid-derivatives of the already earlier synthesized phenyl-triacetyl-xylose were also produced. Acetochlormonosaccharides which serve as initial products in the synthesis of the C--C derivatives of hydrocarbons were obtained due to the treatment

Card 1/2

20-6-19/47

The Synthesis of Some Carbon-Carbon Derivatives of Carbohydrates

of sugar acetates with phosph phosphorus pentachloride and aluminum chloride in a chloroform solution. An experimental part with the description of the production methods of the following compounds is given: β-chloro-triacetyl-l-arabinose, di-bromo-phenetyl-triacetyl-xylose, di-chloro-phenetyl-triacetyl-xylose, dibromo-mallyl-triacetyl-xylose, di-bromo-mallyl-tetraacetyl-glucose, di-rhodone-allyl-tetraacetyl-glucose and di-rhodane-allyl-triacetyl-xylose beside some above-mentioned sugar derivatives together with constants. There are 8 references, 5 of which are Slavic.

ASSOCIATION: Rostov-na-Donu State University (Rostovskiy na-Donu gosudarstvennyy universitet)

PRESENTED: July 23, 1957, by A. I. Oparin, Academician.

SUBMITTED: July 23, 1957

AVAILABLE: Library of Congress

Card 2/2

SHIANOV, Iu.N.

SOV/ 30-58-6-30/45

AUTHOR: Sergiyenko, I. Z.

TITLE: The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms (Khimiya i obmen uglevodov v zhivotnom i rastitel'nom organizmakh) Conference in Moscow (Konferentsiya v Moskve)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 6, pp. 112-114 (USSR)

ABSTRACT: This conference took place from January 28 to January 30. It was organized by the Laboratory for Physiological Chemistry of the AS USSR and was attended by about 200 specialists, among them organochemists, biochemists, physiologists, pharmacologists, histologists and physicians who represented various scientific institutions of the AS USSR, of the Academy of Medical Sciences of the USSR, of the VASKhNIL, of a number of universities and other colleges, as well as of branch institutes from all the country. It was opened by the Director of the Laboratory for Physiological Chemistry B. N. Stepanenko. He stressed in his detailed report among other things the great theoretical interest in the investigation of the ab-

Card 1/5

The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms. Conference in Moscow

solute formation of simple carbohydrates. New and great success was achieved in the field of the O- and N-glycosides. He reported on some important results of the work in laboratories. Furthermore the following reports were heard:

1) S. N. Danilov: On the reaction of the simultaneous oxidation and regeneration in a group of carbohydrates.
2) Yu. A. Zhdanov: On the use of different methods of synthesis.
3) B. N. Stepanenko, L. K. Kryukova, O. G. Serdyuk: On investigations carried out in the field of some O- and N-glycosides.
4) O. K. Orlova: On 2 new diphtheria bacilli.
5) Ye. K. Alimova: On carbohydrates in the structure of diphtheria bacilli.
6) S. A. Neyfakh and M. P. Mel'nikova: On enzymatic members.
7) V. S. Il'in: On the importance of hexokinase reaction.

The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms. Conference in Moscow

8) N. K. Nagradova: On the properties of the effect of the dehydrase of phosphorus-glycerin aldehyde.

9) A. P. Barkhash: On the method of the conversion of glucose.

10) A. N. Petrov: On the presence of a phosphorus-less method of synthesis in the liver.

11) M. I. Prokhorova and Z. N. Tupikova: On the intensity of the carbohydrate metabolism in organs.

12) B. I. Khaykina: On the velocity of the regeneration of free and bound glycogene fractions.

13) Ye. L. Rozenfel'd: On the function of animal organisms.

14) M. G. Shubich: On the results of the histochemical investigation of the glycogene of muscular tissue.

15) R. A. Rutberg: On the importance of polysaccharides in the investigation of the blood system.

Card 3/5 16) G. Ya. Rozenberg and T. V. Polyshina: On the production, the

The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms. Conference in Moscow

properties and characteristics of Soviet dextrin.

17) A. N. Petrova: On the problems of the pathology of carbohydrate metabolism.

18) S. M. Leytes and N. T. Smirnova: On the effect of the antidiabetic preparation BZ-55.

19) A. V. Kotel'nikova and G. D. Krechetova: On special problems of the pathology of carbohydrate metabolism.

20) B. N. Stepanenko, Ye. M. Afanas'yeva and R. A. Baksova: On the chemical nature of a new polysaccharide.

21) O. A. Pavlikova and M. V. Turkina: On conversions of saccharose in plant tissues.

22) D. I. Lisitsin, M. S. Bardinskaya, M. I. Smirnova-Ikonnikova, Yu. V. Peruanskiy, G. A. Lukovnikova and V. I. Ivanov : On carbohydrates of plant origin.

In the resolution the achievements as well as the shortcomings were mentioned. A commission for the coordination of work was founded.

Card 4/5

The Chemistry and Metabolism of Carbohydrates in Animal and Plant Organisms. Conference in Moscow

SOV/30-58-6-30/45

1. Carbohydrates--Biosynthesis 2. Carbohydrates--Metabolism 3. Carbohydrates --Chemical properties 4. Animals--Physiology 5. Plants--Physiology

Card 5/5

SOV/74-27-2-3/5

AUTHORS: Zhdanov, Yu. A. , Dorofeyenko, G. N. (Rostov-na-Donu)

TITLE: On Heterocyclic Carbon-Carbon Derivatives of Carbohydrates (Geterotsiklicheskiye uglerod-uglerodnyye proizvodnyye uglevodov)

PERIODICAL: Uspekhi Khimii, 1958, Vol. 27, Nr 2, pp. 179 - 192 (USSR)

ABSTRACT: Compounds, in which a polyoxaldehyde-, a polyoxyketone- or a polyalcohol rest is connected with any organic radical (aliphatic, alicyclic, aromatic or heterocyclic) by single carbon-carbon bonds, are classed with the C-C-derivatives of sugars.
In the present article a survey is given on new experimental data in the field of heterocyclic carbohydrate derivatives and the attempt is made to generalize these data. Isopropylidene-, benzylidene- and ethylidene derivatives of sugars, different oxides (glucosane) and imino sugars, are not treated, because, according to their properties, they rather belong to the acetals, anhydro-sugars, amino-sugars, respectively.

Card 1/2

On Heterocyclic Carbon-Carbon Derivatives of Carbohydrates

The mentioned compounds can be classified according to the type of the heterocycle, accordingly, the article is divided into the following paragraphs:

1) Heterocycles, consisting of 5 parts, which contain nitrogen.
2) Benzimidazol derivatives.
3) Pyrazine- and piperazine derivatives.
4) Quinoxal derivatives.
5) Pterine derivatives of carbohydrates.
6) Triazol derivatives of sugars.
7) Tetrazol derivatives of sugars
8) Heterocyclic derivatives, which contain oxygen and sulfur.
9) Heterocycles, which contain various and different heteroatoms.

There are 3 tables and 90 references, 6 of which are Soviet.

ZHDANOV, Yu.A.

General definition of chemical sciences. Zhur.ob.khim. 28 no.9:2611-2612 S '58. (MIRA 11:11)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.
(Chemistry)

AZAROV, K.P., dotsent, kand.tekhn.nauk; ZHDANOV, Yu.A., dotsent, kand. khimicheskikh i filosofskikh nauk; SKALOZUBOV, M.F., dotsent, kand.tekhn.nauk; uchastvovali; GORBATENKO, V.Ye.; GORBATENKO, N.G.; OVODOVA, A.V.

Use of glasses and glass frits in fertilizing the soil with trace elements. Trudy NPI 47:3-10 '58. (MIRA 13:5)
(Glass)--(Fertilizers and manures)

ZHDANOV, Yu.A.; DOROFEYENKO, G.N.; BOGDANOVA, G.V.

Use of zinc organic compounds in the synthesis of carbon-carbon sugar derivatives. Dokl. AN SSSR 119 no.3:495-497 Mr '58.
(MIRA 11:6)

1.Rostovskiy-na-Donu gosudarstvennyy universitet. Predstavleno akademikom A.I. Oparinym.
(Zinc organic compounds) (Sugar)

5(3)

AUTHORS: Zhdanov, Yu. A., Korol'chenko, G. A., Uvarova, S. I.

SOV/20-122-5-17/56

TITLE: New Carbon-Substituted Derivatives of Glucose (Novyye uglerodzameshchennyye proizvodnyye glyukozy)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 5, pp 811 - 813 (USSR)

ABSTRACT: In the past the authors had produced different derivatives mentioned in the title. They contained such radicals as naphthyl, tolyl, diphenyl, thienyl, phenetyl, p-anisyl and others (Ref 1). The organomagnesian synthesis proved to be a general method of production of such compounds. The paper under review describes the synthesis of o-anisyl-tetraacetyl-glucose and its bromine and nitric derivatives. The nitroderivative formerly produced of p-anisyl-tetraacetyl-glucose was reduced to the corresponding amine. Hydration in the presence of Raney nickel proved to be the best method of reduction; other methods (with zinc, iron

Card 1/2

New Carbon-Substituted Derivatives of Glucose SOV/20-122-5-17/56

or tin) did not yield any clear results. The synthetized 3-amino-p-anisyl-tetraacetyl-glucose was turned into the corresponding benzoyl and toluene sulpho-derivatives. Their diazotized product had to undergo an azo-combination with aniline, phenol and β-naphthol. A paragraph on experiments with the usual data was added. There are 2 references, which are Soviet.

ASSOCIATION: Rostovskiy-na-Donu gosudarstvennyy universitet (Rostov-na-Donu State University)

PRESENTED: June 4, 1958, by A.I.Oparin, Academician
SUBMITTED: June 2, 1958

Card 2/2

5 (3)

AUTHORS: Zhdanov, Yu. A., Shelepin, O. Ye. SOV/153-2-2-10/31

TITLE: Complex Compounds in the Series of Perinaphthindene (Kompleksnyye soyedineniya v ryadu perinaftindena)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 2, pp 200 - 203 (USSR)

ABSTRACT: Perinaphthindenone (I), like several other cyclic polynuclear ketones, forms molecular compounds with metal halides (Refs 1, 2,4). The authors succeeded in finding that 2-bromine perinaphthindenone-1 (II) forms firm nuclear compounds with strong aprotonic acids ($SbCl_5$, $SnCl_4$). 2-J-perinaphthindenone-1 (III) forms an analogous complex with tin tetrachloride. $C_{13}H_7OBr \cdot SbCl_5$; $(C_{13}H_7Br)_2 \cdot SnCl_4$; $(C_{13}H_7OJ)_2 \cdot SnCl_4$ were isolated. In their crystalline state all complexes have precise melting temperatures and are easily soluble in CH_3COOH, in alcohol and in dioxane, but not easily soluble in ether and benzene; Their solubility in petroleum ether is poor. When boiled in water, the hydrolysis destroys them completely, and they are completely hydrolyzed when boiled with water ammonia and weak acids (Ref

Card 1/2

2). Perinaphthindenone hydrazone (IV) (Ref 3) also forms stable complex compounds with metal halides. They are all soluble in pyridine and dioxane, but their solubility in alcohol is poor. Hydrazone is regenerated with their hydrolysis. A stable complex is developed by a sublimate solution in absolute ether. Salts of bivalent mercury normally oxidize hydrazones down to diazone ethane derivatives (Ref 7). If mercury salts are superfluous, nitrogen separates and organic mercury compounds develop (Ref 8). In the experimental part the production of molecular compounds of halogen derivatives of perinaphthindenone and its hydrazone with halides of several metals are described, as well as the production of 2-J-perinaphthindenone-1 (III), not described up to now. There are 8 references, 5 of which are Soviet.

ASSOCIATION: Rostovskiy-na-Donu gosudarstvennyy universitet; Kafedra organicheskoy khimii (Rostov-na-Donu State University; Chair of Organic Chemistry)

SUBMITTED: January 28, 1958

ZHDANOV, Yu. A., Doc Chem Sci -- (diss) "Synthetic methods and properties of carbon-substituted carbohydrates. Rostov-na-Don, 1960. 29 pp; (Rostov-na-Don State Univ); 200 copies; free; list of author's works on page 25 (20 entries); (KL, 17-60, 141)

ZHDANOV, Yuriy Andreyevich; KOROBITSYNA, I.K., red.; CHIKNOVEROVA, A.A., red.izd-va; MULINOVA, I.F., tekhn.red.

[Outline of methods of organic chemistry] Ocherki metodologii organicheskoi khimii. Moskva, Izd-vo "Vysshaia shkola," 1960. 301 p. (MIRA 14:4)

(Chemistry, Organic)

S/153/60/003/004/023/040/XX
B020/B054

AUTHORS: Zhdanov, Yu. A., Dorofeyenko, G. N., Ivanchenko, N. V.

TITLE: Synthesis of Some Indole and Hexachlorane Derivatives of Monosaccharides

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 4, pp. 680 - 683

TEXT: The authors study the possibility of synthesizing some heterocyclic derivatives of carbohydrates by the Grignard reaction. For this purpose, they investigated the reaction of acetohalogenoses with indolyl magnesium bromide. It is known that organomagnesium compounds of the indole series form, as a rule, β-substituted indole derivatives under the action of alkyl- and acyl halides. The reaction of indolyl magnesium bromide with acetohalogenoses proceeds similarly, and yields β-indole derivatives of monosaccharides. The resulting β-indolyl sugars were further acetylated by acetic anhydride dissolved in pyridine, and isolated in the form of crystalline acetylated compounds. By means of the

Synthesis of Some Indole and Hexachlorane Derivatives of Monosaccharides

S/153/60/003/004/023/040/XX
B020/B054

Grignard reaction it was possible to synthesize β-indolyl tetraacetyl glucose, β-indolyl tetraacetyl galactose, and β-indolyl triacetyl xylose. The resulting compounds are C - C derivatives, not N-glucosides, which is confirmed by the presence of active hydrogen, and by the results of oxidation with permanganate. The synthesis of heterocyclic derivatives with a pyrrole radical was not possible in the way indicated. The authors continued the investigation of the halogenation of acetylated aryl sugars, and found that phenyl tetraacetyl galactose and phenyl triacetyl xylose, as well as phenyl tetraacetyl glucose (Ref.7), readily add six chlorine atoms, thus forming hexachloro cyclohexanone derivatives of carbohydrates which are isolated in sirupy consistency. The authors thoroughly describe the synthesis of β-indolyl tetraacetyl-d-glucose, β-indolyl tetraacetyl-d-galactose, β-indolyl triacetyl-d-xylose, and hexachloro cyclohexyl tetraacetyl-d-galactose, and study the reaction of 2,4-dimethyl pyrrole magnesium bromide with α-chloro tetraacetyl-d-glucose. There are 9 references: 5 Soviet, 2 US, and 2 German.

Card 2/3

Synthesis of Some Indole and Hexachlorane Derivatives of Monosaccharides

S/153/60/003/004/023/040/XX
B020/B054

ASSOCIATION: Rostovskiy-na-Donu gosudarstvennyy universitet, kafedra organicheskoy khimii (Rostov-na-Donu State University, Department of Organic Chemistry)

SUBMITTED: November 10, 1958

Card 3/3

ZHDANOV, Yu.A., prof. (Rostov-na-Donu)

Chemistry and aesthetics. Priroda 53 no.10:8-13 '64.
(MIRA 17:11)

DOROFEYENKO, G.N.; KRIVUN, S.V.; DULENKO, V.I.; ZHDANOV, Yu.A.

Perchloric acid and its compounds in organic synthesis. Usp.khim. 34 no.2:219-252 F '65. (MIRA 18:5)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

PALCHKOV, V.A.; ZHDANOV, Yu.A.; DOROFEYENKO, G.N.

Synthesis of a stable radical from 2,4,6-triphenyl pyrylium salts.
Zhur. org. khim. 1 no.6:1171 Je '65. (MIRA 18:7)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

ACC NR: AP7003105 SOURCE CODE: UR/0079/66/036/007/1211/1212

AUTHOR: Zhdanov, Yu. A.; Uzlova, L. A. 18

ORG: Rostov on the Don State University (Rostovskiy-na-Donu gosudarstvennyy universitet)

TITLE: Carbon chain of sugars

SOURCE: Zhurnal obshchey khimii, v. 36, no. 7, 1966, 1211-1212

TOPIC TAGS: organic synthetic process, organic phosphorus compound, condensation reaction

ABSTRACT: Alkoxalylmethyltriphenylphosphoranes were synthesized for the first time from esters of bromopyruvic acid as possible intermediates for the synthesis of higher sugars and their derivatives through the Wittig reaction. Methoxalylmethylenephosphorane was condensed with 2,3,4,5,6-penta-O-acetyl-al-D-galactose according to a method developed previously by the authors for the synthesis of alpha,beta-unsaturated C-substituted ketoses. The condensation yielded the methyl ester of an unsaturated ketonononoic acid: methyl ester of 3,4,-didehydro-3,4-dideoxy-5,6,7,8,9-penta-O-acetyl-D-galacto-2-nonulosonoic acid in 42% yield. The reaction permits the buildup of the carbon chain of carbohydrates on the basis of three carbon atoms. [JPRS: 38,970]

SUB CODE: 07 / SUBM DATE: 10May65 / ORIG REF: 003 / OTH REF: 007

Card 1/1 UDC: 547.455.9 + 547.427.4

0925 1061

ACC NR: AP7011826 SOURCE CODE: UR/0079/66/036/010/1742/1746

AUTHOR: Zhdanov, Yu. A.; Alekseyev, Yu. Ye.; Dorofeyenko, G. N.

ORG: Rostov on the Don State University (Rostovskiy-na-Donu gosudarstvennyy universitet)

TITLE: Condensation of phosphoranes with 1,2-O-cyclohexylidene-alpha-D-xylopentadialdose

SOURCE: Zhurnal obshchey khimii, v. 36, no. 10, 1966, 1742-1746

TOPIC TAGS: organic chemical synthesis, organic phosphorus compound

SUB CODE: 07

ABSTRACT: 1,2-O-Cyclohexylidene-alpha-D-xylopentadialdose (I), a cyclohexylidene analog of 1,2-O-isopropylidene-alpha-D-xylopentadialdose (a promising intermediate for the preparation of higher sugars with an aldehyde group at the first carbon atom by the Wittig reaction), was synthesized in the form of a crystalline, non-hygroscopic powder. Its infrared spectrum and structure-revealing chemical reactions were studied. The compound was found to react with phosphoranes of the second group, forming unsaturated derivatives of sugars with a furanose ring.

Orig. art. has: 3 formulas. [JPRS: 40,351]

Card 1/1 UDC: 547.454.661.718.1

L 31896-66 EWT(m)/EWP(j) RM

ACC NR: AP6021682 SOURCE CODE: UR/0079/66/036/003/0492/0494

AUTHOR: Zhdanov, Yu. A.; Dorofeyenko, G. N.; Korol'chenko, G. A.; Ozolin, A. E.

ORG: Rostov on the Don State University (Rostovskiy-na-Donu gosudarstvennyy universitet)

42
B

TITLE: Condensation of D-glyceraldehyde with phosphoranes

SOURCE: Zhurnal obshchoy khimii, v. 36, no. 3, 1966, 492-494

TOPIC TAGS: condensation reaction, aliphatic aldehyde, chemical synthesis, organic phosphorus compound, substituent, , ester, nonmetallic organic derivative

ABSTRACT: A general method of synthesizing 1-C-aryl-substituted unsaturated pentuloses on the basis of the condensation of glyceraldehyde with benzoylmethylenetriphenylphosphorane and its derivatives is proposed. The preparation of four new unsaturated pentuloses is described. The ethyl ester of 4,5-D-dihydroxypentene-2-oic acid was obtained in the reaction of glyceraldehyde with carbethoxymethylenetriphenylphosphorane. Orig. art. has: 2 formulas. [JPRS]

SUB CODE: 07 / SUBM DATE: 05Feb65 / ORIG REF: 006 / OTH REF: 001

Card 1/1 LS UDC: 547.451.1+547.341

ZHDANOV, Yu.A.

Information entropy in aromatic substitution reactions. Zhur. org. khim. 1 no.9:1521-1525 S '65. (MIRA 18:12)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted November 14, 1964.

ZHDANOV, Yu.A.; MINKIN, V.I.; NIVOROZHKIN, L.Ye.; PARINSKIY, A.I.

Unusual oxidative breakdown of C-C bonds in alkylidenearylamines. Dokl. AN SSSR 166 no.1:110-113 Ja '66. (MIRA 19:1)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted February 2, 1965.

ZHDANOV, Yu.A.

Average degree of carbon oxidation and the indispensability of amino acids. Biokhimiia 30 no.6:1257-1259 N-D '65. (MIRA 19:1)

1. Kafedra khimii prirodnykh soyedineniy Gosudarstvennogo universiteta, Rostov-na-Donu. Submitted April 5, 1965.

MINKIN, V.I.; ZHDANOV, Yu.A.; GARNOVSKIY, A.D.; SADEKOV, I.D.

Special features of the intramolecular hydrogen bonding in molecules of the anils of o-hydroxyaldehydes and o-hydroxyanils. Dokl. AN SSSR 162 no.1:108-111 My '65. (MIRA 18:5)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted August 27, 1964.

ZHDANOV, Yu.A.

Correlation between Taft's σ-constants and the information entropy in aromatic substitution reactions. Dokl. AN SSSR 162 no.6:1314-1316 Je '65. (MIRA 18:7)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted February 11, 1965.

BEREZIN, Vladimir Aleksandrovich, kand. ekon. nauk; ZHDANOV, Yuriy Andreyevich, doktor khim. nauk, rektor; SAAK'YAN, Yu.A., red.; BUBENNOV, F.S., red.

[New possibilities of chemistry] Novaia vozmozhnost' khimii. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1965. 71 p. (MIRA 18:8)

1. Rostovskiy gosudarstvennyy universitet (for Zhdanov).
2. Direktor Rostovskogo khimicheskogo zavoda kommunisticheskogo truda im. Oktyabr'skoy revolyutsii (for Berezin).

ZHDANOV, Yu.A.; DOROFEYENKO, G.N.; UZHOVA, L.A.

Synthesis of C-substituted unsaturated ketones by means of Witt g reaction. Dokl. AN SSSR 160 no.2:339-342 Ja '65. (MIRA 18:2)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted July 4, 1964.

ZHDANOV, Yu.A.; MINKIN, V.I.; MEDYANTSEVA, Ye.A.

Study of the electron conduction properties of arylazomethine bridge groups. Zhur. ob. khim. 35 no.7:1280-1287 Jl '65. (MIRA 18:8)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

ZHDANOV, Yu.A.; DOROFEYENKO, G.N.; PALCHKOV, V.A.

Perchloric acid and its compounds as catalysts in organic synthesis. Part 23: Salts of 2-alkyl[3,4: 5,6] bis(indeno)pyrylium. Zhur. ob. khim. 35 no.5:827-831 My '65. (MIRA 18:6)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

ZHDANOV, Yu.A.; POLENOV, V.A.

Significance of Hammett σ-constants for certain carbohydrates.
Zhur. ob. khim. 35 no.3:589 Mr '65. (MIRA 18:4)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.